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# PolySwitch® PTC Devices

**Overcurrent Protection Device**

**PRODUCT: RUEF600**
DOCUMENT: SCD25178
REV LETTER: G
REV DATE: JULY 26,2016


## Specification Status: Released

Maximum Electrical Rating at 20°C
30 $V_{DC}$ /100 $A_{DC}$
30 $V_{AC}$ /70 $A_{RMS}$

Insulating Material:
Cured, Flame Retardant Epoxy Polymer
meets UL94 V-0 Requirements

Lead Material:
20 AWG Tin Plated Copper

Marking:
Manufacturer's Mark
XX U600 and Part Identification
□□□□ — Lot Identification

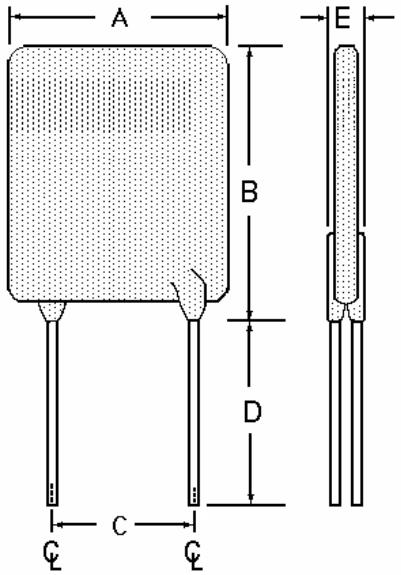


**TABLE I. DIMENSIONS:**

| | A | | B | | C | | D | | E | |
|---|---|---|---|---|---|---|---|---|---|---|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX |
| mm: | -- | 16.5 | -- | 24.1 | 9.4 | 10.9 | 7.6 | -- | -- | 3.0 |
| in*: | -- | (0.65) | -- | (0.95) | (0.37) | (0.43) | (0.30) | -- | -- | (0.12) |

*Rounded off approximation

**TABLE II. PERFORMANCE RATINGS:**

| I HOLD | CURRENT RATINGS | | TIME TO TRIP | RESISTANCE | | ONE-HOUR POST-TRIP RESISTANCE STANDARD TRIP | TRIPPED POWER DISSIPATION | |
|---|---|---|---|---|---|---|---|---|
| AMPS 20°C HOLD | AMPS AT 20°C HOLD | AMPS AT 20°C TRIP | SECONDS AT 20°C, 30.0A MAX | OHMS AT 20.0° C MIN | OHMS AT 20.0° C MAX | OHMS AT 20°C MAX | WATTS AT 20°C NOMINAL | WATTS AT 20°C MAX |
| 6.00 | 6.00 | 12.00 | 16.0 | 0.005 | 0.02 | 0.04 | 3.50 | 3.68 |

Agency Recognitions: UL, CSA, TUV, CQC
Reference Documents: PS300
Precedence: This specification takes precedence over documents referenced herein.
Effectivity: Reference documents shall be the issue in effect on the date of invitation for bid.
CAUTION: Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

## Materials Information

**ROHS Compliant**
Directive 2002/95/EC Compliant

**ELV Compliant**
Directive 2000/53/EC Compliant

**Pb-Free**

**Halogen Free***
HF

* Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm.

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Specifications are subject to change without notice.
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